

COVER LETTER

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[july, 29 2024]

Dear,

I/We wish to submit an original research article entitled “[**Performance Analysis of A Micro Underwater Remotely Operated Vehicle (ROV)**]” for consideration by SINERGI.

We confirm that this work is original and has not been published elsewhere, nor is it currently under consideration for publication elsewhere. We promise not to withdraw this article after it has been processed by the Editorial Team. If there is a withdrawal, we are willing to pay a penalty of USD 150 (IDR 2000K) to the SINERGI Editorial Team.

In this paper, I/we report on / show that:

Field	:	Mechatronic and Robotic
Topic	:	Underwater Robotic
Brief Background	:	Mechatronic and Robotic
Research Problem	:	Traditional ROVs frequently encounter limitations in manoeuvrability, cost, and ease of deployment. The challenges associated with these systems include high manufacture and operational expenses, limited battery life, integrates advanced thruster systems and operational distance and insufficient control systems for accurate manoeuvring. In addition, current remotely operated vehicles (ROVs) require significant maintenance and lack flexibility in supporting various mission parameters
Overview of Method	:	the project flow chart shows the overall project flow from the beginning until the completion of the project and how to proceed if certain conditions are not met. It is used as the project guideline
Significant finding	:	the goal of this project is to design and develop an affordable micro underwater ROV for monitoring

	<p>application, optimize the structural integrity and buoyancy for underwater ROV and analyze a performance of underwater ROV in terms of stability, velocity and acceleration. This project had successfully achieved in design and develop a low-cost underwater ROV for monitoring application as it only required less than RM 1000 to build the whole ROV prototype. This design of ROV prototype is capable to do monitoring and surveillance application.</p>
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We have no conflicts of interest to disclose.

Thank you for your consideration of this manuscript.

Sincerely,



Fauzal Naim Zohedi

AUTHORSHIP STATEMENT

I/We wish to submit an original research article entitled “[*Real-Time Unmanned Surface Robot (USR) for River Quality Monitoring System*]” for consideration by SINERGI.

All persons who meet authorship criteria are listed as authors, and all authors certify that they have participated sufficiently in work to take public responsibility for the content, including participation in the concept, design, analysis, writing, or revision of the manuscript.

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POTENTIAL REVIEWERS

Please submit 3 (three) potential reviewers (*that have not listed in SINERGI*) to speed up the review process that competent for the topic and has a good reputation in that area.

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